

Date: Sat, 20 Nov 93 04:30:15 PST
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V93 #114
To: Ham-Digital

Ham-Digital Digest Sat, 20 Nov 93 Volume 93 : Issue 114

Today's Topics:

 BBS specification
 How to detect 2400bps 4DPSK?
 MAKE.MONEY.FAST
 MFJ 1278 software version info.
 Motorola S-Record an IEEE Standard???
 Packet antenna????? (2 msgs)
 Packet BBS spec by ARRL
 PK-88 KISS/NOS HELP!!!
 wb7tpy gateway (2 msgs)
 Windows NT Packet TCP/IP

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 Nov 1993 18:11:50 GMT
From: news.mentorg.com!hpcan240.mentorg.com!wv.mentorg.com!hanko@uunet.uu.net
Subject: BBS specification
To: ham-digital@ucsd.edu

In article <PME.93Nov16223900@gaia.electrum.kth.se>, pme@gaia.electrum.kth.se
(Peter Enderborg) writes:

|> And where should we sent our coments ?
|> (So the people in ARRL headquarter read them...)

I don't think anyone at ARRL HQ is paying any attention to this.
You can send comments to any of the authors (we will see that they
are distributed to all authors). The best place to send them is

to bob@arasmith.com, since Bob is acting as editor, or to me, since I've been working on the "next revision" for Bob.

Another thing you might do (and perhaps the best possible way to submit comments) is to send them to the author of the code you run. He can add comments that apply to the specifics of his code, and submit to the authors conference. Many of my users do exactly this - at the rate of 10 or 20 messages per week - and it has worked out well.

... Hank

--

Hank Oredson @ Mentor Graphics
Internet : hank_oredson@mentorg.com
Amateur Radio: WORLI@WORLI.OR.USA.NA

Date: Sat, 20 Nov 1993 02:36:28 GMT
From: munnari.oz.au!comp.vuw.ac.nz!frc!news@network.ucsd.edu
Subject: How to detect 2400bps 4DPSK?
To: ham-digital@ucsd.edu

I was wondering if some Knowledgeable Person on the Net could point me in the right direction. The HT I use with 2400 bps (terrestrial PSK) packet has a very slow squelch, and I have attempted to build a carrier detection circuit so as to run the radio unsquelched. This should cure the problem of loosing the first part of a packet.

The circuit I tried is a 567 PLL, centred on 1800 Hz. It works fine...as long as the signals contains no phase jumps. The loop flies out of lock as soon as phase transitions occur, creating spikes on the PLL output.

I have played with the loop band with and gain, all to no avail. Also, I tried feeding the PLL output through a low pass filter into a Schmitt trigger, which worked, but the DCD circuit became slower then my squelch...

Rather than trying to re-invent the wheel, I was wondering how this is done in commercial PSK packet modems. Any pointers appreciated.

Regards, Wilbert ZL2BSJ

--

Wilbert Knol MAFFISH Marine Research, Wellington, New Zealand.
Usenet: wk@frc.maf.govt.nz PACKET:ZL2BSJ@ZL2WA.NZL.OC AMPR:[44.147.180.88]
AX25, NET/ROM, TCP/IP mailbox 146.625 MHz Wellington Data, 144.650 Simplex

Date: 10 Nov 93 15:08:21 GMT
From: swrinde!dptspd!TAMUTS.TAMU.EDU!bloom-beacon.mit.edu!news.ucdavis.edu!
library.ucla.edu!news.mic.ucla.edu!ctc.com!pitt.edu!dsinc!spool.mu.edu!uwm.edu!
fnnews.fnal.gov!linac!uchinews!ncar!@
Subject: MAKE.MONEY.FAST
To: ham-digital@ucsd.edu

Can we PLEASE not all respond to this. This is bad, this is wrong, this is
illegal, this is stupid. There's nothing much more to say so PLEASE don't.
I get so sick of reading 30 messages of people saying how bad this is.

-jon

Date: Wed, 17 Nov 1993 14:54:41 GMT
From: agate!howland.reston.ans.net!pipex!uknet!gdt!aber!news@ames.arpa
Subject: MFJ 1278 software version info.
To: ham-digital@ucsd.edu

Hi all,

Could somebody tell me what the latest software version is for the
MFJ 1278 TNC. I have V2.3 at the moment, and it has some strange features
like not allowing you to have a separate SSID for your PMS. You have to
explicitly type MAIL ON whenever you have finished using the system for
connections, and you cannot connect while the PMS is ON. I'm sure there
must be a later version that is better than this.

Many Thanks,

Dave.

Dave Gibbs, West Wales Software, Unit 2, (Tel. +44 (0) 970 626001)
The Science Park, Aberystwyth, Dyfed, SY23 3AH, UK. (Fax. +44 (0) 970 626665)

Internet :- dgibbs@aber.ac.uk / Packet Radio :- gw7ovv@gb7swm (.#45.gbr.eu)

Date: Wed, 17 Nov 1993 17:23:26 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!usc!
cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!cauldron!ra.csc.ti.com!fstop.csc.ti.com!
linnig@network.ucsd.edu
Subject: Motorola S-Record an IEEE Standard???
To: ham-digital@ucsd.edu

We want to use Motorola S-Record format for an avionics computer we are building for the Government. In order to use S-Records I must be able to point to a standard somewhere that documents that format. Ideally, if S-Records were an IEEE standard, that would be great. Failing that, being able to specify an "Industry Standard" publication (much like VME is documented) would be fine.

Can anyone help me, or point me to someone that knows where the definitive standard document for S-Records can be found?

All pointers and hints appreciated!

Someone on the internet pointed me to the Motorola BBS as a place where I might find the specification for the S-Records but I couldn't seem to find it anywhere.

Thanks!

-- Mike, N5QAW

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- - - - - + - - - - - +  
Mike Linnig, Texas Instruments Inc. | 97.43% of all statistics are made |  
Phone: (214) 575-3597                | up; most of them (83.6 percent)   |  
Internet: mike.linnig@dseg.ti.com    | are wrong.                     |  
- - - - -
```

Date: Tue, 16 Nov 1993 11:33:00 -0600
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!
oakhill!val!afarm!fredmail@network.ucsd.edu
Subject: Packet antenna?????
To: ham-digital@ucsd.edu

=> Quoting Fsrla to All <=

Fs> What would a good 2m packet antenna be??? I'm not using packet right
Fs> now, but hope to soon. However, all I have up right now is a 2 element

Fs> quad. Is this too weak? What should I try? Thanks for the help!
Fs> Roger Asbury WL7NT
In general, if you are sharing the frequency with others, you should use a non-directional antenna. Packet works best when everybody can hear everybody.

I use a Diamond F-22A (two 7/8 wave elements in a white fiberglass shell). Claimed 6.7 dB gain, 10.5 feet tall, 200 watts, 112 mph winds. Cost about \$100. Wish I'd bought a dual band model though. Maybe the X-300A?

... "America has no criminal class except her Congress." - Mark Twain
___ Blue Wave/QWK v2.12

Date: Sat, 13 Nov 1993 05:55:55 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!news.clark.edu!netnews.nwnet.net!
raven.alaska.edu!aurora.alaska.edu!fsrla@network.ucsd.edu
Subject: Packet antenna?????
To: ham-digital@ucsd.edu

What would a good 2m packet antenna be??? I'm not using packet right now, but hope to soon. However, all I have up right now is a 2 element quad. Is this too weak? What should I try??????
Thanks for the help!!!!!!!

Roger Asbury WL7NT
FSRLA@AURORA.ALASKA.EDU

Date: 13 Nov 93 02:36:18 GMT
From: psinntp!psinntp!arrl.org@rutgers.rutgers.edu
Subject: Packet BBS spec by ARRL
To: ham-digital@ucsd.edu

In rec.radio.amateur.digital.misc, enge@enge.almaden.ibm.com writes:
>I received a copy of a "Final Draft" specification on packet BBS
>forwarding from the ARRL. Anyone know who the author is or how to
>submit comments?

This document was sent to BBS authors, TNC manufacturers (who are, typically, also providing BBS functions) etc. It is from the ARRL Digital Committee, and was prepared with the participation of many of the folks actively writing BBS software. Comments may be sent

to the ARRL Digital Committee, 225 Main St., Newington, CT 06111.

Once the spec has been hacked at by the BBS gurus I expect it will be made available to the general public for comment.

Jon Bloom, KE3Z | jbbloom@arrl.org
American Radio Relay League |
225 Main St., Newington CT 06111 |

Date: Tue, 16 Nov 1993 00:43:28 EST
From: usc!math.ohio-state.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
news.ecn.bgu.edu!psuvax1!psuvm!dcr117@network.ucsd.edu
Subject: PK-88 KISS/NOS HELP!!!
To: ham-digital@ucsd.edu

A modification is required of the PK-88, which is required for Hardware Handshaking; necessary for proper operation in KISS mode... I am not sure what it is. (I did it to mine, but I can't remember...) If you contact AEA about it, I am sure they can direct you properly, or maybe a fellow netter can help you out...

Hope this helps...

73,
Danny (N20QN)

Date: 20 Nov 1993 00:22:09 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: wb7tpy gateway
To: ham-digital@ucsd.edu

Is there really anyone in the world who doesn't know that the USA is on the continent of North America? Then why is the .NA required? Stupid software?
- Brian

Date: Tue, 16 Nov 93 19:18:34 MST
From: agate!howland.reston.ans.net!cs.utexas.edu!asuvax!ennews!stat!aznet!
dan@ames.arpa
Subject: wb7tpy gateway
To: ham-digital@ucsd.edu

kenji@k2r.or.jp (Kenji Rikitake) writes:

```
> In article <cowart.753383276@neptune> cowart@convex.com (Michael Cowart) writ
> |however, today I tried to send one to another ham, and the local mailer dea
> |can't find "gate@wb7tpy.az.usa.na"
>
> NEVER USE HAM RADIO PACKET DOMAIN ADDRESS ON THE INTERNET, PLEASE.
> Note especially for North American stations: .NA is assigned to
> Namibia, which does not have enough bandwidth to accept error mail
> messages.
>
> I strongly urge RLI/MBL/whatever BBS systems to use a pseudo domain
> for themselves, and to QUIT using something quite confusing
> IMMEDIATELY.
```

Kenji!

Your jumping the gun before you know the info! that address is for the packet side of things. The correct address is " gate@wb7tpy.ampr.org " If you don't know the facts, why say anything!

```
>
> // Kenji
> --
> Kenji Rikitake <kenji@k2r.or.jp> <kenji@rcac.astem.or.jp>      (More available!
> Persuade me you may, but I won't be persuaded.                -- Aristophane
```

Dan N7MRP -- WB7TPY's Ax.25 Supplier

dan@aznet.stat.com
Daniel J. Meredith

Date: Tue, 16 Nov 1993 05:33:05 GMT
From: agate!howland.reston.ans.net!torn!nott!cunews!pluto.ve3ifb.ampr.org!
Dave@ames.arpa
Subject: Windows NT Packet TCP/IP
To: ham-digital@ucsd.edu

In article <CGLLFt.19q@wang.com> garyf@wang.com (Gary Field) writes:
>From: garyf@wang.com (Gary Field)
>Subject: Re: Windows NT Packet TCP/IP
>Date: Tue, 16 Nov 1993 18:45:28 GMT

>root@ka9qpg.ampr.org (The Owner) writes:

>>Is anyone working on a Windows NT version of AX.25??

>>Tnx Tom talley

>Although I haven't tried it myself, I would expect NOS to run in a DOS
>window under NT.

I tried it under a friends beta NT. It didn't work. Sorry I don't
have more details, no time, little interest in chasing the reason...

[deletions]

Dave

Date: Wed, 17 Nov 1993 07:13:29 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!math.ohio-state.edu!
cyber2.cyberstore.ca!nntp.cs.ubc.ca!newsserver.sfu.ca!allenm@ames.arpa
To: ham-digital@ucsd.edu

References <2c5d18\$gg@ka9qpg.ampr.org>, <CGLLFt.19q@wang.com>,
<Dave.4.00008D3C@pluto.ve3ifb.ampr.org>-stat
Subject : Re: Windows NT Packet TCP/IP

Dave@pluto.ve3ifb.ampr.org (Dave Perry ve3ifb) writes:

>In article <CGLLFt.19q@wang.com> garyf@wang.com (Gary Field) writes:

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>>Date: Tue, 16 Nov 1993 18:45:28 GMT

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>>window under NT.

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>>have more details, no time, little interest in chasing the reason...

I'm guessing, but I don't think NT likes anything that wants to diddle
the hardware directly (ie. the serial port). NT wants everything to
use the Hardware Abstraction Layer (HAL) to do nasty things like that.

73 de A1 VE7DPM
allenm@wizard.ucs.sfu.ca

End of Ham-Digital Digest V93 #114
